1/15	•
GAATTCCGGCACGAGGCGGTTGCAGTATGAGTCGCCAATCGGACCTAGTGAGGAGCTTCTTGGAGCAGCAGGAG M S R Q S D L V R S F L E Q Q E	75 16
GCCCGGGACCACCGGAAGGGGGCAATCCTCGCCCGTGAGTTCAGCGACATTAAGGCCCGCTCAGTGGCTTGGAAG A R D H R K G A I L A R E F S D I K A R S V A W K	150 41
ACTGAAGGTGTGTCCCACTAAAGCCGGCAGTCAGCAGGGAAACTCAAAGAAGAACCGCTACAAAGACGTGGTA T E G V C S T K A G S Q Q G N S K K N R Y K D V V	225
CCGTATGATGAGACGAGAGTCATCCTTTCCCTGCTCCAGGAGGAAGGA	300
ATCCGGGGCACAGATGGAAGCCAGGCCTACATTGCGACGCAAGGACCCCTGCCTCACACTCTGTTGGACTTCTGG	375
CGCCTGGTTTGGGAGTTTGGAATCAAGGTGATCTTGATGGCCTGTCAGGAGAAAATGGACGGAGGAAGTGT R L V W E F G I K V I L M A C Q E T E N G R R K C	450
GAACGCTACTGGGCCCAGGAGCGGGAGCCTCTACAGGCCGGGCCTTTCTGCATCACCCTGACAAAGGAGACAGCA E R Y W A Q E R E P L Q A G P F C I T L T K E T A	525
CTGACTTCGGACATCACTCTCAGGACCCTCCAGGTTACATTCCAGAAGGAATCCCGTCCTGTGCACCAGCTACAG L T S D I T L R T L Q V T F Q K E S R P V H Q L Q	600
TACATGTCTTGGCCGGACCACGGGGTTCCCAGCAGTTCCGATCACATTCTCACCATGGTGGAGGAGGCCCGTTGC Y M S W P D H G V P S S S D H I L T M V E E A R C	675
CTCCAAGGACTTGGACCCCTCTGTGTCCACTGCAGTGCTGGCTG	750
GTTGATTACGTGAGGCAGTTGCTTCTGACTCAGACAATCCCACCCA	825
ATGCGGAAACAGCGACCTGCAGCGGTGCAGACAGAGGAGCAGTACAGGTTCCTGTACCACACAGTGGCTCAGCTA M R K Q R P A A V Q T E E Q Y R F L Y H T V A Q L	900
TTCTCCCGCACTCTCCAGAACAACAGTCCCCTCTACCAGAACCTCAAGGAGAACCGCGCTCCAATCTGCAAGGAC F S R T L Q N N S P L Y Q N L K E N R A P I C K D	975
TCCTCGTCCCTCAGGACCTCCTCAGCCCTGCCACATCCCGCCCACTGGGTGGCGTTCTCAGGAGCATCTCG 1 S S S L R T S S A L P A T S R P L G G V L R S I S	050
GTGCCTGGGCCACCGACCCTTCCCATGGCTGACACTTACGCTGTGGTGCAGAAGCGTGGCGCTTCCGGCAGCACA 1 V P G P P T L P M A D T Y A V V Q K R G A S G S T	125

Fig. 1b

2226

Fig. 2a	Fig. 2b	Fig. 2c
Fig. 2d	Fig. 2e	Fig. 2f

Fig. 2

Fig. 3a	Fig. 3b
Fig. 3c	Fig. 3d

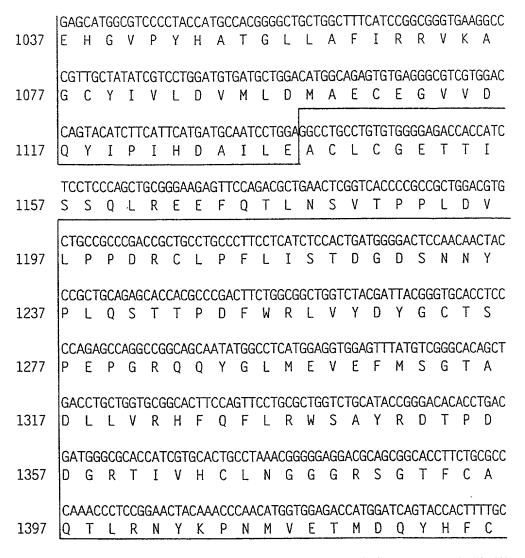
Fig. 3

			-																	GGCT
1	Cu	,	100	A40												T				
																				AATC
37	٧	Ρ	С	Ε	Y	S	Q	Α	Q	Υ	D	D	Υ	Q	W	Ε	Q	٧	R	I
77																CCT L				TGAT D
117	-			CGT V													gaa N	TAT M	GAC T	TGGA G
157					-											CTA Y				AGAT D
197																CGC A				CATG N
237																GAG S				.gcag Q
277																GCG R				CACC _T
317																CGC A				GCAG Q
357												-				GCC P				GCGC R
397																CTA Y				GCTG L
437																TCG _R_				CGTG <u>V</u>
477																CAC T				GGAC D

																			GCGC	120
																		CCC	AGCA	240
<u>A</u>	<u>P</u>	E	T	Ε	T	Р	Α	Α	G	С	T	F	S	Ε	A	S	D	Р	Α	-
CA	CCC	TGG	CAC	CCG	GGC	ACC	TGC	GGA	CCT	GCC	CCA	CGG	СТС	СТА	СТТ	GAT	GGT	CAA	CACT	361
Н	F	G	Ţ	R	Α	Р	Α	D	L	Р	Н	G	S	Y	L	М	V	Ν.	T	
AC	CCA	CTG	TGT	GCA	GTT	CAG	СТА	CTT	ССТ	GTA	CAG	CCG	GGA	CGG	CAC	AGG	CGG	CAC	CCTG	481
T	Н	С	٧	Q	F	S	Y	F	L	Υ	S	R	D	G	Τ	G	G	T	L	
TC	CCA	CGG	CCG	TCA	GTG	GCA	CCA	GGC	TGA	.GCT	GGC	TGT	CAG	CAC	П	CTG	GCC	CAA	TGAA	601
S	Н	G	R	Q	W	Н	Q	Α	Ε	L	Α	٧.	S	Τ	F	W	Р	N	E	
																			CGAC	721
D	Ι	L	L	L	S	Y	Р	С	Α	K	Α	Р	Н	F	S	R	L	G	D	
																			CGGC	841
R	Q	R	F	L	L	Q	R	Q	S	Q	Α	L	٧	Р	Α	Q	Α	F	G	
GΑ	CCT	GTA	CCG	CTG	TGT	GTC	CCA	GGC	CCC	GCG	CGG	CGG	CGT	CTC	TAA	CTT	CCC	GGA	GCTC	961
D	L	Y	R	С	٧	S	Q	Α	Р	R	G	G	٧	S	N	F	Α	Ε	L	
TΑ	ССТ	CAT	CAT	CCA	GCT	CAA	CAC	CAA	стс	CAT	CAT	TGG	CGA	.CGG	GCC	GAT	CGT	GCG	CAAG	1081
		<u> I</u> _				,														
AC	СТА	CAA	GCT	GTG	GCA	.CCT	CGA	.ccc	:CGA	CAC	AGA	CTA	TGA	GAT	CAG	CGT	GCT	GCT	CACG	1201
<u>T</u> _	<u>Y</u> _	<u>K</u> _	. <u>L</u> _	<u>W</u> _	<u>H</u> _	<u>_</u>	_D_	<u>P</u> _	_D_	<u>T</u> _	_E_	_Y_	<u>E</u> _	_ <u>I</u> .	<u>_S</u> _	<u>V_</u>	<u>_</u>	<u> </u>	<u>T</u> _	
AG	AGC	CCA	TGA	GGG	CCC	CAA	AGG	CCT	GGC	т	ŢGC	TGA	GAT	CCA	GGC	CCG	TCA	GCT	GACC	1321
R	Α	Н	E	G	<u>P</u> _	<u>K</u> _	G_	<u></u> _	_ <u>A</u> _	_F_	_A	<u> </u>	_ <u>I</u> .	_Q	_A	<u>R</u> .	<u>Q</u> _	_ <u>L</u> _	<u>T</u> _	
TG	СТА	TCA	СТА	CAC	ССТ	GGG	CAG	CAG	CCA	CAA	.CCA	GAC	CAT	CCG	AGA	GTG	TGT	GAA	GACA	1441
<u>C</u> _	<u>Y</u> -	<u> H</u> -	<u> </u>	<u>T</u>	_L_	_G_	<u>S</u>	_ <u>S</u>	_ <u>H</u>	_N_	Q_	_T_	_I_	<u>R</u>	_E_	<u>C</u>	<u></u>	<u>K</u> _	_T	
																			GACG	1561
<u>R</u> .	<u>_</u> _	_V_	L-	<u>T</u>	_N_	_P_	E	G	R	Χ	E	G	K	Ε	. V	T	F	Q	T	
																				1681
Н	Ι	F	L	K	W	Ε	Ε	Р	Q	Ε	Р	N	G	L	I	T	Q	Υ	Ε	

	AT	CAG	CTA	CCA	GAG	CAT	CGA	GTC	ATC	AGA	CCC	GGC	AGT	GAA	CGT	GCC	AGG	CCC	ACG	ACGT
517																				<u>R</u> _
	AC	СТА	CCT	GTT	стс	CGT.	GCG	GGC	:CCG	CAC	AGG	CAA	AGG	СТТ	CGG	CCA	.GGC	GGC	ACT	CACT
557																	Α			
	GG	CGA	.GTC	TGA	GAA	CAC	CAT	CAC	CGT	GCT	GCT	GAG	GCC	GGC	ACA	GGG	CCG	CGG	TGC	GCCC
597	<u>G</u> _	Ε.	<u>s</u>	Ε.	<u>N</u> .	<u>T</u> .	_I_	_T_		<u>_</u>	<u>L</u> .	<u>R</u>	_ P_	_A_	<u>Q</u>	<u>G</u>	<u>R</u>	_G_	_A_	_P
	TG	GAC	AGG	ACT	GCT	TCC	CAG	TGC	CAT	TGA	CCT	TCG	AGG	CGG	CGC	TGG	CCC	CAG	GCT	GGTG
637	M.	<u>T</u> _	Q	<u>_</u>	L_	P_	<u>S</u>	_A_	<u>I</u> .	<u>D</u>		R	<u>G</u> .	G	_A_	<u>G</u>	P_	_R_	L	
	GG	TGA	CAA	.CCA	GAC	СТА	.CCG	AGG	СТТ	CTG	GAA	CCC	ACC	ACT	TGA	GCC	TAG	GAA	GGC	CTAT
677	G	D	N	Q	Τ	Y	R	G	F	W	N	Р	Р	L	Ε	Р	R	K	Α	Υ
																				ATCG
717	Ι	Α	R	K	,A	Α	С	K	Ε	S	K	R	Р	L	E	٧	S	Q	R	S
									-											CACC
757	<u>L</u>	G	Α_	I	<u>I</u>	٧	Ι	Ι	R	K	G	K	Р	V	N	M	Τ	K	Α	Τ
707																				CTAC
797	Ų	5	1	L	Q	Ł.	υ	E,	К	L	G	L	2	F	M	υ	Τ	Н	G	Y
837																	GCA Q			CCCT
037	3	۲	ĸ	К	۲	L	G	K		u	3	٢	I	п	1	u	Ų	L	П	۲
877																	AAA K			AGAC D
077	Г																			
917																	CAT I			TTAC
J.,																				
957											-						CAA K			CGAG
_						•														
997	1			-		_											icac T			CCTG L

AC	CAT	СТС	CAA	GCT	CCG	CAA	TGA	GAC	СТА	CCA	TGT	СТТ	CTC	CAA	CCT	GCA	CCC	AGG(CACC	1801
<u>T</u> _	<u>I</u> _	<u>s</u> .	<u>K</u>	L_	<u>R</u> _	<u>N</u> _	<u>E</u> _	<u>T</u> _	<u>Y</u> _	Н_	- <u>.</u> .	_F_	<u>S</u> _	<u>N</u> _	<u>L</u>	<u>H</u> .	Р_	<u>G</u>	<u>T</u> _	
																		ACC(CCTG L	1921
																		GAC	GAGG R	2041
																		TAC(CGTG V	2161
																		CAT(CCGC R	2281
																		CCT L	TCTC <u>L</u>	2401
																		CAC.	agac D	2521
																		GGG G	GGGC G	2541
																		GGG G	TTAC Y	2761
																		GAA X	ACTG L	2881
						TCAT I													CTTC F	3001
						GCT(S													CATC I	3121
																		GTG W	iGCCA P	3241



TC	CAC	CCC	ACC	TGA	TGC	CGG	GCC	CAT	TGT(CAT	CCA	CTG	CAG	CGC	GGG	CAC	CGG	CCG	CACA	3361
S	T	Р	Р	D	A	G	Р	I	٧	I	Н	С	S	Α	G	T	G	R	T	
									CTC(S					CAT(GAT		GAC T	TGA(GGAG E	3481
									CAA(TCC P			TAAT N	3601
									CCG R		CCG R		CAA K	GAA N	CCG R	CAG S	CAT H	GGA D	CGTC V	3721
AT I	TAA N	TGC A	AGC A	CCT L	rgac T	TGA D	.cag S	CTA Y	CAC. T	ACG R	GAG R	GTC S	GGC A	CTT F	CAT M	GGT V	GAC T	CCT L	GCAC H	3841
AT I	CGT V	CAT M	GCT L	CA/ N	ACCA Q	GCT L	gaa N	CCA Q	GTC S	CAA N	CTC S	CGC A	CTG W	GCC P	CTG C	CCT L	GCA Q	GTA Y	CTGG W	3961
									CCG R										GGGA G	4081
TC S	CAA K	AGAA K	AGG(A	CCT F	TCTT L	TGCA H	CCT L	GCT L	GGC A	TGA E	kggt V	GG/ D	K	AGTG W	GCA O	AGGC A	CGA E	AGAG S	TGGG G	4201
					TGG/ E				C C							F			TGCC A	4321
	ACG/ D								AGGG G					GATA	\GC@	GG(GCC(CTGG	CCTG	4441
G/ G/ A/ T/	CAA(GGA(ATG ⁻ GCG(CCC	GGA(CTC/ TAC CCC ATG(GGA AGG TGG TCC GGG	GCT CCA GAC TCC GGC	TAGO AGGO TTGO CCA	CAA(GGG GCA CTG(TTC(TTG(TTT/ TTT/ CCC(CCT(TGCA GCA AGGA CCT GCC	ACCO GGAT ATTO CCAO TGAO	CAC TCCT TCCT TCCAT TCCAT	CCC(TGG(TCT(CCT(ACT(CCAI GTT GGG GAG GTT	CCT(TTG(GGA(ATA GCA	CCA GGA(CCC(TTT GAA	TAG(GGG/ CCT(TGC TGA/	GGT(ATG/ GAA(TCA(AGT(CCT(AGT(AGT(AGT(CTA CAC(GCAG GAGG CCCG TCCG CTCG	GGCTA GGCCT GCCCA CTCCC GCCCC GCTGC	4561 4681 4801 4921 5041 5161 5281
Α	GAG(GTA	GGA	CCA	GTG	CTT	П	TGT	TTC	П	TGT	TAT	Ш	TGG	TTG	GGT	GGG	TGG(GAAGG ATGTT	5401

10/14

1 1	GAAT	TCG(GCA(CGA(GCG(GGC	ΓGG.⁄	ACC"	FTG(:1 <u>cc</u>	iCC(GCC	iGC(<u>iCC</u> /	ATG/ M	AGC(S		s S		D D	S
121	CGCC	GGC	GAG	TTC	AGC	GACA	ATC	CAG(3CC ⁻	rgc ⁻	rcg(GCC(GCC ⁻	TGGA	4AG(GCT	GAC	GGC(atg:	ΓGC [−]	ГССА
26															K			G		С	
241	GCCT	TAT	GAT	CAG.	ACG	CGA	GTA	ATC	CTC	TCC	CTG	CTC	CAG	GAA	GAG(GGA	CAC	4GC(GAC ⁻	TAC	ATTA
66	Р	Υ	D	Q	Τ	R	٧	_		S	L	L	Q	Ε	Ε	G	Н	S	D	Υ	Ι
361	ACCC	TTG	ССТ	CAC.	ACC	CTG	CTA	GAC	TTC	TGG	4GA	CTG	GTC	TGG	GAG	П	GGG	GTC	AAG	GTG/	ATCC
106	Р	L	Р	Н	T	L	L	D	F	W	R	L	٧	W	Ε	F	G	V	K	٧	Ι
481	CCAG	GAG	CAG	GAG	CCA	CTG	CAG	ACT	GGG	СТТ	TTC	TGC.	ATC.	ACT	CTG	ATA	AAG	GAG.	AAG	TGG	CTGA
146	Q	Ε	Q	Ε	Р	L	Q	T	Ģ	L	F	С	I	T	L	I	K	E	K	W	L
601	TGTG	ΤΔΤ	_' ՐΔG	СТА	CAG	TAT	ATG	TCC	TGG	CCA	GAC	CGT	GGG	GTC	CCC	AGC	AGT	ССТ	GAC	CAC	ATGC
186			Q													S	S	Р	D	Н	М
721	TGTC	CAC	TGC	AGT	GCG	GGT	TGT	GGG	CGA	ACA	GGC	GTC	CTG	TGC	ACC	GTG	GAT	TAT	GTG	AGG	CAGC
226	٧	Н	С	S	Α	G	С	G '	R	Τ	G	٧	Ļ	С	T	٧	D	Υ	٧	R	
841	GATG	AGG	SAAG	CAG	CGG	CCT	GCG	GCC	GTG	CAG	ACA	GAG	GAG	CAG	TAC	AGG	iTTC	CTG	TAC	CAC	ACGG
266	М	R	K	Q	R	Р	Α	Α	٧	Q	T	Ε	Ε	Q	Υ	R	F	L	Υ	Н	T
961	CAAA	AGAG	TAA	TGT	GCC	CCA	CTC	TAC	GAC	GAT	GCC	сто	TTC	сто	CGG	ACT	CCC	CAG	GCA	CTT	CTCG
306																				L	
1081	GGG	CCAC	CGCC	ATC	GC1	rgac	CACC	CTAC	GCG	GA6	GAG	CAG	AAG	GCGC	GGG	iGC1	rcc <i>a</i>	\GC@	GGC	GCC	GGGA
346	G	Н	Α	M	Α	D	Τ	Y	Α	Ε	Ε	Q	K	R	G	Α	Р	Α	G	Α	G
1201	CTA	CAG	CAA(GT(GAC(GCC	GCG(CGC	CCAG	GCG/	ACC(GGG	GCG	GCAC	CGCG	GA(GGA(CGC	GAG0	GGG	SACGC
386			K						Q						Α				R		T
1321	CGT	GGC	GGG	TGG	AGC ⁻	TCA(GAC	CGG	rgg(GCTA	\GG ⁻	ПΤ	CAAC	CCTO	GCG(CAT	TGG(GAG(GCCC)AAE	GGTC
426	٧		G						G	L	G	F	N	L	R	Ι	G	R	Р	K	G
1441	TGT	TGC	CTC	TTG	TGA	GCT	CGG	ACT	GCT(GAT(GCC(CCG	GTG	CTG	CTG	AGC	GCC	GTG	CCG/	4GA/	ATGGA
1561	TGC	CCA	ATG.	ACT	GTA	GCA [*]	TTC.	AAG	GCT	TGA	GGC	TGG/	4GG/	AGG	TAG	CTA	GGG	TAT.	AGT(GGC	TGGTG
1681	TTA	TGA	AGG	GGA	GAA	GGG.	ACA	GAT	GAG	CTT	CCG	GAG	4CT	GCT	CTC	CTC	ACC.	ACA	CAG	CAC	TAGTC
1801	GTG	GAT	GGA	CAC	TTC	GCC.	ATC	CAG	GCA	GAA	CTA	4GC	CAG	GCA [*]	TAA	CCA	CAG	CCA	AGC	AGA	TTAAC
1921	AAC	CTG	GAC	AGA	CAG	CCA	AAG	СТТ	CAG	AGA	TAC	AGT	CCA	CAG	GTG	GAC	AAA	GGA	TCC	CCC	AGCCA
2041	AAA	CAC	AGC	CCC	CAA	AAG	ACA	GAC	ATC	TCT	GCT.	AGC	TGG.	ACA	GCC.	AGG	TGG	ACC	CCC.	TAA	GT-TAG
2161	TCA	CAC	ררר	۸۲		TCA	CCT	CCC	CTG	CCT	GGC.	TGA	CAG	ACC	TTC	TGG	CCA	GAC.	AGA	CTC	CTAAC

11/15 120 CGCCGAGCTTCCTGGAGCGGCTGGAAGCGCGGGGGGGCGGCCGGGAGGGGCAGTCCT 26 ARSFLERLEARGGREGAVL CCGTGGCCGGCAGTCGGCCAGAGAACGTGAGGAAGAACCGCTACAAAGACGTGCT 240 T V A G S R P E N V R K N R Y K D V L 66 ATGGCAACTTCATCCGGGGCGTGGATGGAAGCCTGGCCTACATTGCCACGCAAGG 360 NGNFIRGVDGSLAYIATQG 106 TGATGGCCTGTCGAGAGATAGAGAATGGGCGGAAAAGGTGTGAGCGGTACTGGGC 480 146 LMACREIENGRKRCERYWA ATGAGGACATCATGCTCAGGACCCTCAAGGTCACATTCCAGAAGGAGTCCCGTTC 600 NEDIMLRTLKVTFQKESRS 186 TCGCCATGGTGGAGGAAGCCCGTCGCCTCCAGGGATCTGGCCCTGAACCCCTCTG 720 226 LAMVEEARRLQGSGPEPLC 840 TGCTCCTGACCCAGATGATCCCACCTGACTTCAGTCTCTTTGATGTGGTCCTTAA LLLTQMIPPDFSLFDVVLK 266 TGGCTCAGATGTTCTGCTCCACACTCCAGAATGCCAGCCCCCACTACCAGAACAT 960 306 V A Q M F C S T L Q N A S P H Y Q N I CCATACCCCGCCCACCAGGAGGGGTCCTCAGGAGCATCTCTGTGCCCGGGTCCCC 1080 AIPRPPGGVLRSISVPGSP 346 1200 386 SGTQTGTGARSAEEAPL TGCCTGGCCGCGTTCCTGCTGACCAAAGTCCTGCCGGATCTGGCGCCTACGAGGA 1320 L P G R V P A D Q S P A G S G A Y E D 426 1440 CCCGGGACCCGCCTGCTGAGTGGACCCGGGTGTAAGTCTAACGCCAGTTCCTGCC 459 PRDPPAEWTRV* 1560 AACAGTGGGCCTGGATCAAAGTTAAAGTTTCTCAGGGTGGGAAATGTGGGGGCTT 1680 AGGCTGCACAGAGCAGATTCAAGAAAGAAGATCAGGAAGGGGCATGACCCCTGAG CATCCTCAGCACCTGAGCCTCCCTCACTTGGACACTCAGGGGACCACACAGAGAA 1800 1920 GAGAGAGAGACCAGCCAACAGCTTGATAGACCAGTGCAGCCAGAGAGACCACC 2040 2160 TCAGATTACTAGACAGATATAAACAGATCCCCTGCTGAACAGATATACAGAGTTC 2280 CAACCAGATGGACTGCCAGACAGGCAGACATCAGTCCACATGGAATCCTGACATC

2281	CCAGCCAGCCGGCCAGACTCTCATCTTGATGTCTTGATGGATG
2401	ACAGATGGAGCCCCAGCAAATCAGGACCTATCTAGGCAGACCCCAGCCAG
2521	TACAGGTCTAATTTTTTTTTTTTTTAAGAAATGAGTTTTTTGCCATGTTGCCCAGACTGGTCTTGA
2641	GGTGTGAGCCACCAGGCTCAGCCCCCTAAGATTTGAAACACTTTAAATGGCCCATGGTAGGGTTC
2761	CTGTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Fig. 3c

TCCTCCAGATTGACAGACAAGTCCCCCAAATGAGTACACATCTCCAGCTATTCAG	2400
ACTCCCAACCAGACTGACCCCTTGCTGTTCACACAGCCTGCCGAGTAGCTGGGAC	2520
ACTCCCAACCTCAAGCAATCCTCCTGCCTCAGCCTCCCAAAGTGCTGAGATTACA	2640
CTGCTAGGATAAAACATTAAGTGGCTGTTAAAAGAAATAAAAGGAGGACACGTCT	2760
	2810

Fig. 3d

14/15

	14/15	
MCLK1	MRHSKRTYCPDWDERDWD101111100001114111411411411	43
MCLK2	P.PR.YHSSERGSRGSYHEHYQSRKHKRRR.R.WSSSSDRTRRR.REDS	50
MCLK3	H.CYRSPEPDPYLTYRWK.RRS.SREHEGRLRYPSR.EPPPR.S	47
MCLK4	HS.ESWGHESY.GRTO.NRH	42
MCLK1	CRYDHSKTTDSYYLESRSINEKAYHSRRYVDEYRNDYMGYEPGHPYGE	91
MCLK2	YHVRSRSSY.DHSSDR.LYD.RYCGSYRSRDRGEAY.DT	93
MCLK3	SRE.APYRTRKHAHHCHK.RTRSCSSASSRSQQSSKRSSR	94
MCLK4	_KPH.QFKDSDCHYLEARCLNERDYRD.RYIDEYCEGYVPRH.HR	91
MCLK1	PGSRYQMHS-SKSSGRSGRSSYKSKHRSRHHTSQHHSDGHSHRRKRSRSV	140
MCLK2	DFROSYEYHRENYQRRKHR.R.RRSRTFSRSSSHSS.RAK	142
MCLK3	SRE APYRTRKHAHHCHK.RTRSCSSASSRSQQSSKRSSR	136
MCLK4	DVESTYRIHCVRP.R.RNRPCASH.SI	139
MCLK1	> EDDEEGHLICQSGDVLSARYEIVDTLGEGAFGKVVECIDHKVGGRRVAVK	190
MCLK2	A YHV. W.OE S TS.R.QRRTL.	192
MCLK3	KV.RI.SW.QEGNTLARGKSQL.	186
MCLK4	R	189
MCLK1	IVKNVDRYCEAAQSEIQVLEHLNTTDPHSTFRCVQMLEWFEHRGHICIVF	240
MCLK1	.IEK.KRLNKI.EKKNKNLFDDYHMS.	242
MCLK3	.IRGH.RRLNKKIKEK.KENK.LL.SD.NFHMA.	236
MCLK4	GG.RRSN.VD.HV	239
MCLK1	ELLGLSTYDFIKENSFLPFRMDHIRKMAYQICKSVNFLHSNKLTHTDLKP	290
MCLK2	F.L.D.NYYPIHQV.HF.L.QA.KD	292
MCLK3	KN.FE.LN.Q.YPLP.V.HL.HALRE.Q	286
MCLK4	QIQ.IH	289
MCLK1	ENILFVKSDYTEANPKMKRDERTIVNPDIKVVDFGSATYDDEHHSTLVS	340
MCLK2	N. ELT. LEK SVKSTAVR F.HI.	342
MCLK3	NEFETLEHKSCE.KSVK.TSIR.AF.HT.I.A	336
MCLK4		339
MCLK1	TRHYRAPEVILALGWSQPCDVWSIGCILIEYYLGFTVFPTHDSREHLAMM	390 392
MCLK2	E	386
MCLK3	pEAFRL.QK	389
MCLK4	**	307
MCLK1	ERILGPLPKHMIQKTRKRRYFHHDRLDWDEHSSAGRYVSRRCKPLKEFML	440
MCLK2	V.SRRQKYRGNTRENRRYLT	442
MCLK3	.KI.SHRQKYKGG.VNDKENSY	436
MCLK4	I.AKNQR	439
MCLK1	SODAEHEFLFDLVGKILEYDPAKRITLKEALKHPFFYPLKKHT	483
MCLK2	.EAED.HQIENMELGQAC.RTEPPNTKLWD	492
MCLK4	QDSLVQMRRMFQALAG.TPEERSFHSSSR	486
MCLK5	CHDEKRRMRDQDLRK	489
MCLK1		400
MCLK2	SSRDISR	499
MCLK3	NPSR	496
MCLK4	Fia. 4	

Fig. 4

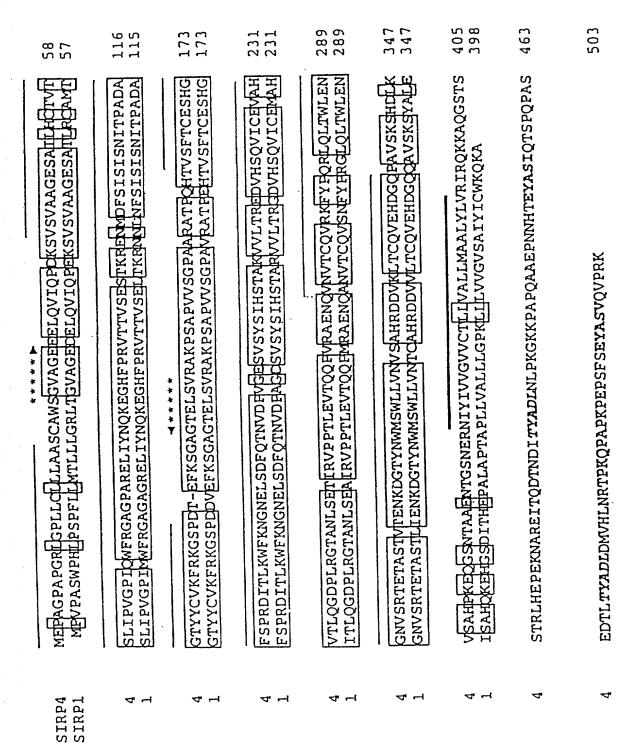


Fig. 5